| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L12 | 32 | ((three adj dimension) ("3" adj "D")) with perturb$6 | US-PGPUB; USPAT | OR | OFF | 2005/11/18 14:14 |
| L13 | 2 | "5838634".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L14 | 2 | "6480790".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L15 | 1094 | 367/36-42.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L16 | 1362 | 702/14-18.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L17 | 140 | 702/13.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L18 | 245 | 367/73.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L19 | 5 | ("6662112" "6757217" "6480790" "5808966" "5691958").pn. | USPAT | OR | OFF | 2005/11/18 14:53 |
| L20 | 1190 | (model$4 simulat$4 emulat$4 (test adj rig) virtual$2) with (geologic$) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |



| L21 | 444 | L20 and (filter$3 passband fourier) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
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| L22 | 2 | L20 and ((frequency adj passband) with model$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L23 | 2 | (geologic$ with model$) same (frequency adj pass$band) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L24 | 2 | (geologic$ with model$) same (frequency adj passband) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L25 | 8 | (geologic$ with model$) same fourier | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L26 | 108 | L20 and fourier | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L27 | 2 | "6011920".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L28 | 2 | "6336087".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |

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| L29 | 25350 | Shell.as. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L30 | 4243 | amoco.as. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L31 | 25 | L29 and ((frequency or hertz) with model$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L32 | 16 | L30 and ((frequency or hertz) with model$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L33 | 216 | L29 and geologic$2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L34 | 116 | L30 and geologic$2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L35 | 109 | L34 not L32 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L36 | 201 | L33 not L31 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |



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| L37 | 763 | L29 and model$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L38 | 738 | L37 not L31 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L39 | 4 | L29 and seismic adj frequency | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L40 | 48 | L29 and seismic with frequency | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L41 | 398 | geologic with model$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L42 | 218 | 703/5.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L43 | 1094 | 367/36-42.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L44 | 1362 | 702/14-18.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |

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| L45 | 140 | 702/13.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L46 | 245 | 367/73.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L47 | 2632 | L42 L43 L44 L45 L46 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L48 | 571 | L47 and (model$3 with (geologic or seismic)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L49 | 357 | L48 and frequency | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L50 | 275 | L49 and (sum summation add$3 aggregat$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L51 | 243 | L47 and ((sum summation add$3 aggregat$4) with frequenc$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L52 | 55 | L48 and L51 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L53 | 10 | ("4980866" \| "5138584" \| "5392255" \| "5500832" \| "5586026" \| "5719822" \| "5764516" \| "5940778" \| "6049759" \| "6131071").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/11/18 14:53 |



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| L54 | 3 | 09/934320 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L55 | 37 | ("4679174").URPN. | USPAT | OR | OFF | 2005/11/18 14:53 |
| L56 | 6 | L55 and (train$4 learn$4 neural$ fuzzy$) | USPAT | OR | OFF | 2005/11/18 14:53 |
| L57 | 1 | L55 and (rock with train$4) | USPAT | OR | OFF | 2005/11/18 14:53 |
| L58 | 108 | 700/38.ccls. | USPAT | OR | OFF | 2005/11/18 14:53 |
| L59 | 58142 | L58 and geologic$2 litho$8 | USPAT | OR | OFF | 2005/11/18 14:53 |
| L60 | 1 | L58 and (geologic$2 litho$8) | USPAT | OR | OFF | 2005/11/18 14:53 |
| L61 | 21 | (US-5838634-$ or US-6480790-$ or US-5870691-$ or US-6131071-$ or US-6049759-$ or US-5132938-$ or US-3631384-$ or US-6012018-$ or US-4679174-$ or US-4964103-$ or US-5229940-$ or US-5451164-$ or US-5729451-$ or US-5905657-$ or US-5995906-$ or US-6374201-$ or US-6381543-$ or US-6430510-$ or US-5940778-$ or US-6446007-$).did. or (EP-254325-$).did. | USPAT; DERWENT | OR | OFF | 2005/11/18 14:53 |
| L62 | 96 | ("5995904" "5555218" "5838634" "4592031" "4953142" "5416750" "5671136" "5991695" "6108606" "4802144" "4821164" "4991095" "5226420" "5229940" H001307 "5451164" "5471435" "5504678" "5551881" "5583825" "5657223" "5706194" "5787050" "5835882" "5844799" "5870691" "5978647" "5978646" "5983067" "5987387" "5995906" "5995803" "6002914" "6014343" "6049759" "6094400" "6131071" "6138076" "6278948" "6302221" "6370491" "6381543" "6424918" "6442487" "6480790" "6502037" "6502038" "6549854" "6643590" "6754588").pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |

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|---|---|---|---|---|---|---|
| L63 | 101 | ("6813565" "6847921" "5970023" "5383114" "6018500" "4888742" "5491669" "4344158" "4564927" "4992993" "5218299" "5229976" "5323322" "5404296" "5444619" "5572125" "5691958" "5726893" "5808966" "5928311" "6120445" "6181754" "4319347" "4633400" "4757480" "5191526" "5197039" "5260911" "5280284" "5321613" "5495506" "5526164" "5696735" "5797120" "5801970" "5815198" "5839090" "5870405" "5915278" "5940778" "6002642" "6035255" "6044328" "6058073" "6070136" "6070125" "6078868" "6079205" "6125330" "6157905").pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/11/18 14:53 |
| L64 | 21 | (US-3631384-$ or US-4679174-$ or US-4964103-$ or US-5132938-$ or US-5229940-$ or US-5451164-$ or US-5729451-$ or US-5838634-$ or US-5870691-$ or US-5905657-$ or US-5940778-$ or US-5995906-$ or US-6012018-$ or US-6049759-$ or US-6131071-$ or US-6374201-$ or US-6381543-$ or US-6430510-$ or US-6446007-$ or US-6480790-$).did. or (EP-254325-$).did. | USPAT; DERWENT | OR | OFF | 2005/11/18 14:53 |
| L65 | 7 | L64 and (rock adj propert$4) | USPAT | OR | OFF | 2005/11/18 14:53 |
| L66 | 6 | L64 and (frequency with velocity) | USPAT | OR | OFF | 2005/11/18 14:53 |
| L67 | 0 | L64 and (frequency with velocity with rock) | USPAT | OR | OFF | 2005/11/18 14:53 |
| L68 | 0 | L64 and (frequency same velocity same rock) | USPAT | OR | OFF | 2005/11/18 14:53 |
| L69 | 13 | L64 and (rock) | USPAT | OR | OFF | 2005/11/18 14:53 |
| L70 | 3 | (US-6078334-$ or US-4653855-$ or US-5937362-$).did. | USPAT | OR | OFF | 2005/11/18 15:04 |
| S1 | 2 | "5838634".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/19 10:09 |
| S2 | 2 | "6480790".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/16 15:29 |



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| S4 | 1079 | 367/36-42.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/16 15:34 |
| S5 | 1286 | 702/14-18.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/16 15:34 |
| S6 | 129 | 702/13.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/16 15:34 |
| S7 | 236 | 367/73.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/16 15:35 |
| S8 | 5 | ("6662112" "6757217" "6480790" "5808966" "5691958").pn. | USPAT | OR | OFF | 2005/05/16 15:37 |
| S9 | 1100 | (model$4 simulat$4 emulat$4 (test adj rig) virtual$2) with (geologic$) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/17 16:58 |
| S10 | 399 | S9 and (filter$3 passband fourier) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/17 17:18 |
| S11 | 2 | S9 and ((frequency adj passband) with model$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/17 17:07 |
| S12 | 2 | (geologic$ with model$) same (frequency adj passband) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/17 17:14 |

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| S13 | 2 | (geologic$ with model$) same (frequency adj pass$band) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/17 17:14 |
| S14 | 8 | (geologic$ with model$) same fourier | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/17 17:14 |
| S15 | 101 | S9 and fourier | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 09:37 |
| S16 | 2 | "6011920".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 09:38 |
| S17 | 2 | "6336087".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 09:38 |
| S18 | 24986 | Shell.as. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 10:18 |
| S19 | 4243 | amoco.as. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 10:19 |
| S20 | 14 | S18 and ((frequency or hertz) with model$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 10:20 |



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| S21 | 16 | S19 and ((frequency or hertz) with model$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 10:23 |
| S22 | 192 | S18 and geologic$2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 10:23 |
| S23 | 116 | S19 and geologic$2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 10:23 |
| S24 | 187 | S22 not S20 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 10:30 |
| S25 | 109 | S23 not S21 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 10:24 |
| S26 | 725 | S18 and model$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 10:30 |
| S27 | 711 | S26 not S20 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 10:33 |
| S28 | 4 | S18 and seismic adj frequency | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 10:34 |

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| S29 | 48 | S18 and seismic with frequency | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 10:37 |
| S30 | 376 | geologic with model$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 10:37 |
| S31 | 209 | 703/5.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 16:19 |
| S32 | 1080 | 367/36-42.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 16:20 |
| S33 | 1288 | 702/14-18.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 16:20 |
| S34 | 130 | 702/13.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 16:20 |
| S35 | 236 | 367/73.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 16:20 |
| S36 | 2528 | S31 S32 S33 S34 S35 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 16:20 |



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| S37 | 530 | S36 and (model$3 with (geologic or seismic)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 16:22 |
| S38 | 328 | S37 and frequency | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 16:23 |
| S39 | 255 | S38 and (sum summation add$3 aggregat$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 16:26 |
| S40 | 236 | S36 and ((sum summation add$3 aggregat$4) with frequenc$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 16:26 |
| S41 | 52 | S37 and S40 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/18 16:26 |
| S42 | 10 | ("4980866" \| "5138584" \| "5392255" \| "5500832" \| "5586026" \| "5719822" \| "5764516" \| "5940778" \| "6049759" \| "6131071").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/05/18 16:41 |
| S43 | 3 | 09/934320 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/19 10:09 |
| S44 | 37 | ("4679174").URPN. | USPAT | OR | OFF | 2005/05/19 16:38 |
| S45 | 6 | S44 and (train$4 learn$4 neural$ fuzzy$) | USPAT | OR | OFF | 2005/05/20 13:37 |
| S46 | 1 | S44 and (rock with train$4) | USPAT | OR | OFF | 2005/05/19 16:48 |
| S47 | 107 | 700/38.ccls. | USPAT | OR | OFF | 2005/05/20 13:37 |
| S48 | 55757 | S47 and geologic$2 litho$8 | USPAT | OR | OFF | 2005/05/20 13:37 |
| S49 | 1 | S47 and (geologic$2 litho$8) | USPAT | OR | OFF | 2005/05/20 13:38 |

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| S50 | 21 | (US-5838634-$ or US-6480790-$ or US-5870691-$ or US-6131071-$ or US-6049759-$ or US-5132938-$ or US-3631384-$ or US-6012018-$ or US-4679174-$ or US-4964103-$ or US-5229940-$ or US-5451164-$ or US-5729451-$ or US-5905657-$ or US-5995906-$ or US-6374201-$ or US-6381543-$ or US-6430510-$ or US-5940778-$ or US-6446007-$).did. or (EP-254325-$).did. | USPAT; DERWENT | OR | OFF | 2005/05/20 15:09 |
| S51 | 96 | ("5995904" "5555218" "5838634" "4592031" "4953142" "5416750" "5671136" "5991695" "6108606" "4802144" "4821164" "4991095" "5226420" "5229940" H001307 "5451164" "5471435" "5504678" "5551881" "5583825" "5657223" "5706194" "5787050" "5835882" "5844799" "5870691" "5978647" "5978646" "5983067" "5987387" "5995906" "5995803" "6002914" "6014343" "6049759" "6094400" "6131071" "6138076" "6278948" "6302221" "6370491" "6381543" "6424918" "6442487" "6480790" "6502037" "6502038" "6549854" "6643590" "6754588").pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/20 15:21 |
| S52 | 101 | ("6813565" "6847921" "5970023" "5383114" "6018500" "4888742" "5491669" "4344158" "4564927" "4992993" "5218299" "5229976" "5323322" "5404296" "5444619" "5572125" "5691958" "5726893" "5808966" "5928311" "6120445" "6181754" "4319347" "4633400" "4757480" "5191526" "5197039" "5260911" "5280284" "5321613" "5495506" "5526164" "5696735" "5797120" "5801970" "5815198" "5839090" "5870405" "5915278" "5940778" "6002642" "6035255" "6044328" "6058073" "6070136" "6070125" "6078868" "6079205" "6125330" "6157905").pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/05/20 15:21 |



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|---|---|---|---|---|---|---|
| S53 | 21 | (US-3631384-$ or US-4679174-$ or US-4964103-$ or US-5132938-$ or US-5229940-$ or US-5451164-$ or US-5729451-$ or US-5838634-$ or US-5870691-$ or US-5905657-$ or US-5940778-$ or US-5995906-$ or US-6012018-$ or US-6049759-$ or US-6131071-$ or US-6374201-$ or US-6381543-$ or US-6430510-$ or US-6446007-$ or US-6480790-$).did. or (EP-254325-$).did. | USPAT; DERWENT | OR | OFF | 2005/11/18 11:31 |
| S54 | 7 | S53 and (rock adj propert$4) | USPAT | OR | OFF | 2005/11/18 11:39 |
| S55 | 6 | S53 and (frequency with velocity) | USPAT | OR | OFF | 2005/11/18 11:43 |
| S56 | 0 | S53 and (frequency with velocity with rock) | USPAT | OR | OFF | 2005/11/18 11:43 |
| S59 | 0 | S53 and (frequency same velocity same rock) | USPAT | OR | OFF | 2005/11/18 12:16 |
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| rock "frequency passband" | 11:28am |
| "rock properties" "frequency_ | 11:28am |
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| 3-D Common Offset Inversio | 11:26am |
| -D Common Offset Inversion | 11:26am |
| Imaging Complex Structures | 11:24am |
| Migration--The Inverse Meth | 11:24am |
| Transformation Of 3-D Prest | 11:22am |
| 3-D Prestack Migration Of C | 11:21am |
| Integral Formulation for Migr | Nov 17 |
| Comparison of weights in pr | Nov 17 |
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| Comparison of weights in pr | Nov 17 |

**Nov 17, 2005**

**Integral Formulation for Migration In Two And Three Dimensions**

Three-dimensional Born inversion with an arbitrary reference - 7:01pm
www.cwp.mines.edu/documents/cwpreports/cwp-031.pdf

Chapter 2 Full prestack migration by Kirchhoff's methods - 7:01pm
sepwww.stanford.edu/sep/biondo/PDF/3DSI/Chap2-Kirch.pdf

**Comparison of weights in prestack amplitude-preserving Kirchhoff depth migration**

http://veritas-web3.veritasdgc.com/WebSite/VTechDocWeb.nsf/all/3 ... - 7:00pm

AMPLITUDE-PRESERVING DECOUPLED PRESTACK DEPTH MIGRATION - 6:59pm
www.eap.bgs.ac.uk/.../EAGE03/eage03_adrou_decpsdm2.pdf

http://www.cspgconvention.org/2003abstracts_author.htm - 6:59pm

http://www.cspgconvention.org/archives/2003abstracts/174S0129.pd ... - 6:59pm

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**Nov 18, 2005**

**Migration-The Inverse Method**

- Seismic waveform inversion in the frequency domain, Part 1: Theory ... - 12:43pm
  geol.queensu.ca/people/pratt/pratt1999.pdf

**-D Common Offset Inversion In Depth Dependent Media And Its Parallel**

- Louise Poissant and Lou Nelson - New Media Dictionary: Part IV.... - 12:43pm
  muse.jhu.edu/journals/leonardo/v034/34.4poissant.html

**rock "frequency passband"**

- http://www.emeraldgrc.com/papr644.pdf - 11:29am
- STRONG MOTION RECORD PROCESSING FOR THE PEER CENTER - 11:28am
  www.cosmos-eq.org/Projects/Darragh_Silva_Gregor_Paper.pdf

**Paraxial Ray Kirchhoff Migration**

- Rock properties inversion with Kirchhoff AVA migration / inversion - 11:27am
  www.cseg.ca/conferences/2004/2004abstracts/010S0129-Fen...
- Chapter 1 Band-limited Green's functions in the Marmousi model In ... - 11:27am
  sepwww.stanford.edu/public/docs/sep81/marmTT.ps.gz
- Keho's Abstract - 11:27am
  eaps.mit.edu/erl/research/theses/abstracts/Keho.html

**3-D Common Offset Inversion In Depth Dependent Media And Its Parallel**

- Ph.D. & MS Degrees Awarded - 11:26am
  www.mines.edu/Academic/macs/degree_recip.html

**Imaging Complex Structures Using Band Limited Green's Functions**

- Imaging complex structures with semirecursive Kirchhoff migration - 11:25am
  www.3dgeo.com/docs/semirecursive.pdf

Searches with no clicked results:
"rock properties" "frequency passband"

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Scholar Results 1 - 50 of about 233 for assign "rock properties". (0.17 seconds)

Weighted stacking for rock property estimation and detection of gas
GC Smith, PM Gidlow - Geophysical Prospecting, 1987 - smithandgidlow.com
... The estimation of the **rock properties** is achieved by the application of time- and offset ... across the gather with (2). To do this we need to **assign** to each ...
Cited by 32 - View as HTML - Web Search

Mapping spatial variation in **rock properties** in relationship to scale-dependent structure using ...
SA Stewart, TJ Wynn - Geology, 2000 - geology.geoscienceworld.org
... 1 ). Neither of these extremes is relevant to the **rock properties** in the ... geometrical characterization of surfaces, it is sufficient to **assign** local properties ...
Cited by 1 - Web Search - gsajournals.org - geology.geoscienceworld.org - gsajournals.org

Computation of linear elastic properties from microtomographic images: Methodology and agreement ...
CH Arns, MA Knackstedt, WV Pinczewski, EJ Garboczi - Geophysics, 2002 - fire.nist.gov
... 1998; Arns, 2001). We **assign** to the rock skele- ton values of the elastic properties of quartz given by Mavko et al. (1998): bulk ...
Cited by 6 - View as HTML - Web Search - link.aip.org

Computer simulation of geothermal reservoirs in the Pannonian Basin, Eastern Europe
M Antics - Proceedings World Geothermal Congress, Kyushu-Tohuku, Japan, ..., 2000 - geothermie.de
... In order to **assign** double porosity behaviour to the model, the primary grid was ... Based on the available geological model and **rock properties** a 3D model was set ...
Cited by 1 - View as HTML - Web Search

Rock mass characterization for underground hard rock mines
D Milne, J Hadjigeorgiou, R Pakalnis - Tunneling and Underground Space Technology, Oct, 1998 - nd.edu
... system is that it is relatively sensitive to minor variations in **rock properties**. ... Alternatively one can **assign** different ESR values dependent on the type of ...
Cited by 5 - View as HTML - Web Search - mining.ubc.ca

Rock–support interaction analysis based on numerical modelling
MR ASEF, DJ REDDISH, PW LLOYD... - Geotechnical and Geological Engineering, 2000 - kluweronline.com
... wall. **Rock properties** model input data ... environment. It is essential to **assign** an appropriate Table 3. m i values by rock group. ...
Cited by 2 - Web Search - springerlink.com - ingentaconnect.com

Asymmetric Blasting: A Rock Mass Dependent Blast Design Method
JB Segui - Fragblast, 2002 - taylorandfrancis.metapress.com
... MWD) techniques, asymmetric blasting is an approach to deal with **rock properties** as they ... 2). Figure 2 illustrates the limitations of trying to **assign** the whole ...
Web Search - aquilamsl.com - ingentaconnect.com - extenza-eps.com - all 6 versions »

[PS] The Scale up Problem for Transport in Oil Reservoirs
C Almeida, F Furtado, F Pereira - fluid.impa.br
... Thus some type of scale up or coarsening procedure is needed to **assign** suitable values of **rock properties**, mainly permeability, and other ow functions on a ...
View as HTML - Web Search

LIKELIHOOD DISTRIBUTIONS FOR RADIO WAVE TOMOGRAPHY
N Pendock - Communications and Signal Processing, 1993., Proceedings of ..., 1993 - ieeexplore.ieee.org
... A geological feature which causes changes in either of these two **rock properties** may be ... the various X, could have been generated is used to **assign** a- priori ...
Web Search - ieeexplore.ieee.org

Rock physics depth trends
F Only, P Avseth, H Flesche, AJ Van Wijngaarden - The Leading Edge, 2003 - tle.geoscienceworld.org
... are included and take into account the expected or observed natural variability in the **rock properties**. ... Hence, no attempt is done to **assign** absolute scales. ...
Web Search - link.aip.org





SPE 53986 Flow Simulation Study of the Namorado Sandstone (Albacora Field, offshore Brazil) ...
L Bonet, RK Romeu, AS Barroso, CL Sombra, MMM ... - library.xsyu.edu.cn
... To upscale **rock properties** it was adopted the geopseudo approach 4 , which is based on (1 ... The final step was to **assign** effective properties to the three seismic ...
View as HTML - Web Search

Using LMR for Dual Attribute Lithology Identification
PF Anderson, FD Gray, VDGC Inc - 2005 - veritas-web3.veritasdgc.com
... Each lithology has a different **rock properties** response subject to fluid content and mineral ... A batch process is then used to **assign** a value to each lithology ...
View as HTML - Web Search - link.aip.org

Rover Traverse Science for Increased Mission Science Return
R Castano, RC Anderson, T Estlin, D DeCoste, F ... - Proceedings of the IEEE Aerospace Conf - www-aig.jpl.nasa.gov
... **Rock properties** including albedo, visual texture and shape, are then extracted from the ... approach to image prioritization has been to **assign** image priorities ...
Cited by 5 - View as HTML - Web Search - www-aig.jpl.nasa.gov - gsd.msfc.nasa.gov

Offshore exploration and development is taking technology to a very large scale
G Sparkman, F Only - The Leading Edge, 2002 - tle.geoscienceworld.org
... by the TLE Editorial Board decision to annually **assign** April's special ... Three papers describe applications of **rock properties** to reservoir descriptions...and ...
Web Search - link.aip.org

Combining rock physics analysis, full waveform prestack inversion and high-resolution seismic ...
R Bachrach, M Beller, CC Liu, J Perdomo, D ... - The Leading Edge, 2004 - tle.geoscienceworld.org
... **Assign** prior probability for different lithology units within a sequence ... quantitatively accounted for the inherent uncertainty in **rock properties** inversions and ...
Web Search - link.aip.org

Intelligent Reservoir Characterization (IRESC)
M Nikravesh, M Hassibi - Industrial Informatics, 2003. INDIN 2003. Proceedings. IEEE ..., 2003 - www-bisc.cs.berkeley.edu
... fuzzy successfully to find the relationship between seismic and **rock properties** for sandstones rocks ... For example, k-means is an algorithm to **assign** k centers to ...
View as HTML - Web Search - www-bisc.cs.berkeley.edu - ieeexplore.ieee.org - link.aip.org - all 5 versions »

Geospatial data integration in rock engineering
J Pininska - pgi.gov.pl
... Due to the fact that these data pertain to actual rock media (objects), loca- lized clearly in the natural area, it is possible to **assign** to each of these ...
View as HTML - Web Search

The geological strength index: applications and limitations
E Hoek - Bull Eng Geol Environ, 2005 - springerlink.com
... some method for estimating the rock-mass properties from the intact **rock properties** and the ... It is also inappropriate to **assign** GSI values to excavated faces in ...
Web Search

Bonded-particle simulations of the in-situ failure test at Olkiluoto
D Potyondy, J Autio - Rock Mechanics in the National Interest: Proceedings of the ..., 2001 - lassondeinstitute.utoronto.ca
... Section 3.2.3), model- size limitations make it impractical to **assign** the dis ... unlikely that it can ever be made to reproduce all **rock properties**; therefore, the ...
Cited by 6 - View as HTML - Web Search

Quantitative Outcrop Data for Flow Simulation
BJ Willis, CD White - Journal of Sedimentary Research, 2000 - jsedres.geoscienceworld.org
... extrapolating the data to define stratal geometry and **rock properties** within a ... rock bodies to conform to rectangular gridblocks and **assign** internal properties ...
Cited by 6 - Web Search - jsedres.geoscienceworld.org

A rock mass classification model for caving roofs
AK Ghose, D Dutta - International Journal of Mining and Geological Engineering, 1987 - springerlink.com
... The paper outlines a new classification model of roof strata namely cavability using fuzzy set methodology and linguistic variables to **assign** ratings for ...
Web Search

A multi-scale approach to improve reservoir characterization and forecasting: the Albacora Field (...
LB Cunha, AS Barroso, RK Romeu, CL Sombra, MM ... - ingentaconnect.com

... The purpose was to **assign** effective properties to the three seismic facies ... scale, since the effects of the microscopic features reflect in the **rock properties**. ...
Web Search

Labs: Fridays 12: 20-3: 20 Marston 32 I. Instructor: Dr. William H. Highter 38 Marston Hall 545-3970
C Syllabus - geotech.ecs.umass.edu
... You will **assign** grades to yourself and your peers based on this scale: ... d. To know how to obtain **rock properties** required for some design applications. Page 4. 4 ...
View as HTML - Web Search

Rover Traverse Science for Increased Mission Science Return
R Castafio, RC Anderson, T Estlin, D DeCoste, F ... - Aerospace Conference, 2003. Proceedings. 2003 IEEE, 2003 - ieeexplore.ieee.org
... **Rock properties** including albedo, visual texture and shape, are then extracted from the ... approach to image prioritization has been to **assign** image priorities ...
Web Search - ieeexplore.ieee.org

The effect of clay distribution on the elastic properties of sandstones
MS Sams, M Andrea - Geophysical Prospecting, 2001 - blackwell-synergy.com
... Therefore the weakest component of the clay would contribute most to the **rock properties**. ... There arises the question of what porosity, if any, to **assign** to the ...
Cited by 3 - Web Search - ingentaconnect.com

Mining and fusion of petroleum data with fuzzy logic and neural network agents
M Nikravesh, F Aminzadeh - Journal of Petroleum Science and Engineering, 2001 - www-bisc.cs.berkeley.edu
... seismic 2 . information and extract **rock properties**, relevant reservoir information and rules knowledge from these databases. The ...
Cited by 5 - View as HTML - Web Search - ingentaconnect.com

Total System Performance Assessment for Waste Disposal Using a Logic Tree Approach
JH Kessler, RK McGuire - Risk Analysis, 1999 - springerlink.com
... variable **rock properties** on groundwater infiltration rates and temperature histories are poorly under- stood. Thus, it is necessary to **assign** probabili- ties ...
Cited by 5 - Web Search - kluweronline.com - ncbi.nlm.nih.gov - csa.com - all 5 versions »

Lithofacies identification using multiple adaptive resonance theory neural networks and group ...
HC Chang, DC Kopaska-Merkel, HC Chen, SR Durrans - Computers and Geosciences, 2000 - cs.ua.edu
... New lithofacies and new values of important **rock properties** are often encountered ... Networks will report them with "labels" and **assign** stored logfacies with the ...
Cited by 9 - Web Search - ingentaconnect.com - portal.acm.org - all 4 versions »

Lithologic characterization of a reservoir using continuous-wavelet transforms
G Alvarez, B Sanso, RJ Michelena, JR Jimenez - IEEE Transactions on Geoscience and Remote Sensing, 2003 - ieeexplore.ieee.org
... on well-log measurements, a number of geophysically important **rock properties** like porosity ... while , corresponds to the prior probability that we **assign** to model ...
Cited by 1 - Web Search - ieeexplore.ieee.org - cesma.usb.ve

Reservoir heterogeneity and uncertainty
F Only, T Mukerji, P Avseth, G Mavko, I Takahashi, ... - The Leading Edge, 2001 - tle.geoscienceworld.org
... This is followed by Monte Carlo simulation of seismic **rock properties** (V P , V S , and ... cores, thin sections, geology, logs, production data) to **assign** a facies ...
Web Search

Monitoring Pressure Depletion in fractured reservoirs
A SHAMS, C MACBETH - ripl.ir
... to fracture porosity and a transform determined to **assign** the transmissibility ... Due to pore pressure changes fracture **rock properties** of fracture compliance and ...
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Monell Unit
M Unit - The Leading Edge, 2004 - tle.geoscienceworld.org
... View this table: [in this window] [in a new window], Table 2. Pore fluid saturation and average **rock properties**. ... Edit shots and **assign** geometry. ...
Web Search

Optimization of the Blueberry Debolt Oil Pools: Significant Production Increases for a Mature Field
B Geology - members.shaw.ca
... culations, production performance reviews as well as an extensive review of **rock properties**. ... The approach used was to **assign** an average per- meability, the ...





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Effect of drilling fluid temperature on fracture gradient
G Pepin, CTE Technology - World Oil, 2004 - igc.com
... not exist. Therefore, it is difficult to **assign** accurate values to any of the **rock properties** needed for the models. In addition ...
Web Search

[PS] Coupled wave propagation
M Karrenbach - sep.stanford.edu
... It is a macroscopic description of **rock properties** and consequently allows us to **assign** some average properties to the medium. I ...
View as HTML - Web Search - sepwww.stanford.edu - sepwww.stanford.edu

Machine Learning Challenges in Mars Rover Traverse Science
R Castano, M Judd, RC Anderson, T Estlin - Intl. Conf. Machine Learning 2003 - lunabots.com
... **Rock properties** including albedo, visual texture and shape [Fox, et al, 2002] are ... to a prioritization similar to that which the scientists would **assign** for the ...
Cited by 1 - View as HTML - Web Search

Evaluating the Effects of Underground Nuclear Testing Below the Water Table on Groundwater and ...
K Wohletz, A Wolfsberg, A Olson, C Gable - ees1.lanl.gov
... The permeability data used in this study to **assign rock properties** is presented in Table 3. The rock density (bulk and grain) and porosities used for each ...
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1989
GB Prize - doi.ieeecomputersociety.org
... For example, to add two ma- trices, you **assign** one element of each of ... depends on flow velocity; flow velocity depends on pressure and **rock properties**, which de ...
Web Search

A geostatistical modeling study of the effect of heterogeneity on radionuclide transport in the ...
HS Viswanathan, BA Robinson, CW Gable, JW Carey - Journal of Contaminant Hydrology, 2003 - ees.lanl.gov
... If in the hydrologic model developed from this distribution we **assign** other parameters with widely contrasting values such as permeability, the model becomes ...
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Double-Porosity Modelling of Groundwater Flow Through Fractured Rock Masses
DM Priscu - collectionscanada.ca
**Page 1. Double-Porosity Modelling of Groundwater Flow Through Fractured Rock Masses by Doina Maria Priscu Department of Mining and Metallurgical Engineering ...**
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Evaluating Sensitivity of Thermal Evolution of a Sedimentary Basin on Thermal Conductivity using a ...
H Tahani, AR Ghods - ripi.ir
... and geological maps is not enough about layer sequences, **rock properties** and formation ... of basement, that means in the computer model, we **assign** each point with ...
View as HTML - Web Search

Lithology and fluid prediction from amplitude versus offset(AVO) seismic data
DJ Davies, A Mcinalley, F Barclay - Geofluids, 2003 - blackwell-synergy.com
... Sub-surface images, in which **rock properties** deduced from seismic data are explicitly ... 6). Lithology cross-plots enable us to **assign** probabilities for each ...
Web Search

Lisa Anne prospect
F Only, J O'Brien - The Leading Edge, 2004 - tle.geoscienceworld.org
... Postdrill appraisal can usually **assign** these results to one or more of the ... gas saturation sands occur in nature with the appropriate **rock properties** to yield ...
Web Search - tle.geoscienceworld.org

Assessing fracture occurrence using "weighted fracturing density": a step towards estimating ...
M Jaboyedoff, F Baillifard, F Philippossian, JD ... - Natural Hazards and Earth System Sciences, 2004 - quanterra.org
... The previous method will **assign** N s the same value for identical $\theta$ values either if the topography is parallel or nearly perpendicular to the sliding direction ...
View as HTML - Web Search - copernicus.org - cosis.net - adsabs.harvard.edu - all 5 versions »

Velocity and attenuation in partially saturated rocks: poroelastic numerical experiments
HB Helle, NH Pham, JM Carcione - Geophysical Prospecting, 2003 - blackwell-synergy.com
... We introduce a numerical rock sample with homogeneous **rock properties**, but with alternately ... parameter [0,1] such that for each gridpoint we **assign** water if P ...
Cited by 2 - Web Search - ingentaconnect.com

P and S Mach Waves Generated by the Detonation of a Cylindrical Explosive Charge– Experiments and ...
F Vanbrabant, EP Chacon, LA Quinones - Fragblast, 2002 - taylorandfrancis.metapress.com
... **The rock properties** are as follows: ... We must **assign** a velocity within a user- written function to the corresponding gridpoint along the wall of the borehole. ...
Web Search - ingentaconnect.com - extenza-eps.com - szp.swets.nl - all 6 versions »

Multi-Scale Characterization of Fractured Rocks Used as a Means for the Realistic Simulation of ...
KES Klint, P Gravesen, A Rosenbom, C Laroche, L ... - Water Air & Soil Pollution Focus, 2004 - springerlink.com
... Then, all information concerning the **rock properties** is used to establish a ... The calculated permeability tensor values are used to **assign** permeability values to ...
Web Search - kluweronline.com

Autonomous Onboard Traverse Science System
UP ALGORITHM - ieeexplore.ieee.org
... Our scientist collaborators helped us select these **rock properties** so that what OASIS measures ... and easily stipulate the value and importance to **assign** to each ...
Web Search

Techniques for Onboard Prioritization of Science Data for Transmission
R Castano, RC Anderson, T Estlin, D DeCoste, F ... - The Interplanetary Network Progress Report, IPN PR 42-153. ..., 2003 - tda.jpl.nasa.gov
... **Rock properties** including albedo, visual texture, and shape then are extracted from the ... for scientists to stipulate the value and importance to **assign** to each ...
View as HTML - Web Search - ipnpr.jpl.nasa.gov - tmo.jpl.nasa.gov - adsabs.harvard.edu - all 5 versions »

GEOTECHNICAL DATA MANAGEMENT ISSUES FOR TRANSPORTATION AUTHORITIES
S Caronna - gintsoftware.com
... 2.1.2.6 Ranges on Numeric Data Where appropriate, **assign** valid ranges to numeric information. ... 1. Statistics of soil and **rock properties**. ...
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